

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/JP2005/003665

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q3/62 H04M3/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 815 817 A (SUZUKI K ET AL) 29 September 1998 (1998-09-29) column 2, line 35 - column 3, line 62 column 4, line 36 - line 62 column 9, line 14 - column 11, line 50	1-21
X	US 4 964 157 A (AOSHIMA A) 16 October 1990 (1990-10-16) column 1, line 65 - column 2, line 37 column 9, line 1 - line 21 column 4, line 10 - line 32; figures 1,3	1-9
A	----- -/--	10-21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

12 May 2005

Date of mailing of the international search report

20/05/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05, 14 September 2000 (2000-09-14) & JP 2000 036873 A (NEC ENG LTD), 2 February 2000 (2000-02-02) cited in the application abstract</p>	1-21

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Information on patent family members

Internu I Application No
PCT/JP2005/003665

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5815817	A	29-09-1998	JP 9046437 A CN 1146684 A ,C SG 86307 A1	14-02-1997 02-04-1997 19-02-2002
US 4964157	A	16-10-1990	JP 2174453 A JP 2786645 B2 CA 2006524 C CA 2006524 A1	05-07-1990 13-08-1998 11-10-1994 27-06-1990
JP 2000036873	A	02-02-2000	NONE	